

Abstract of the Disclosure

A drilling apparatus that includes a formation fluid sampling and hydraulic testing tool for a drilling apparatus that includes a drilling string comprised of a drilling pipe and a drilling bit is provided. The tool is mounted on a string that comprises from top to bottom a pressure reduction valve, an expandible and collapsible packer bladder assembly, the sampling tool, and a lower expandible and collapsible packer bladder assembly, disposed between the drilling pipe and the drilling bit. Associated with the packer assemblies are pressure and vacuum storage devices for inflation and deflation respectively of the bladders of the packer assemblies.